



King County

Department of
Natural Resources and Parks
Solid Waste Division

Waste
Prevention

Resource
Recovery

Waste
Disposal

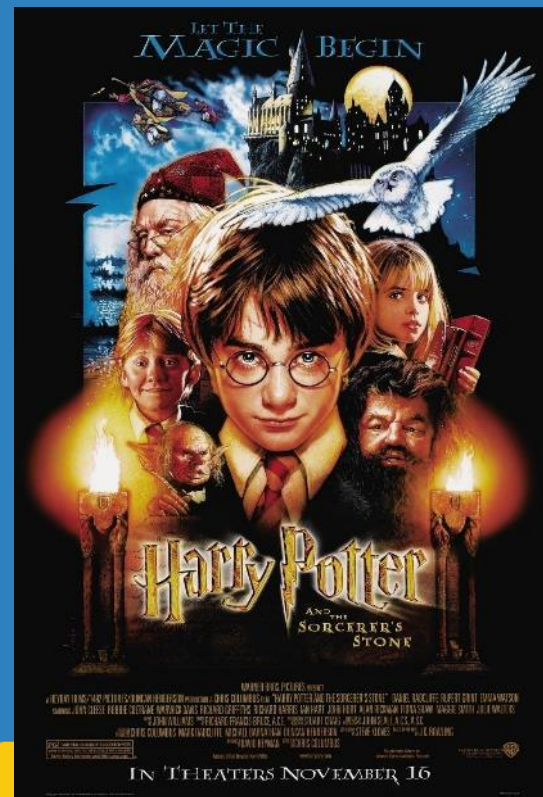
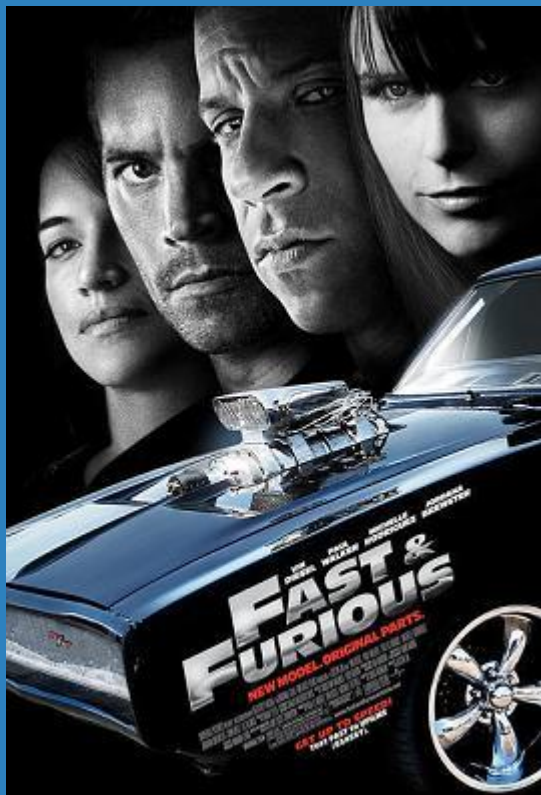
Comprehensive Solid Waste Management Plan

Metropolitan Solid Waste Management Advisory Committee
September 9, 2016



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A real estate sign is positioned in the foreground on the left. The sign is red with a white border and hangs from a white post. It features the word "Closing" in white script and "2012" in white bold font. The background shows a vast landscape with a green field, a dark, rocky hillside, and a large, snow-capped mountain (Mount Fuji) under a clear blue sky. In the immediate foreground, there are some black pipes and mechanical components, possibly part of a water system or irrigation setup.

Closing
2012



Kevin Kiernan (circa 2001)



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Comprehensive Solid Waste Management Plan is the Policy Roadmap for King County

The Plan:

- Sets the long-term goals and capital program
- Establishes the policy framework for solid waste activities
- Identifies funding sources and cost impacts



**Final 2001 Comprehensive
Solid Waste Management Plan**

November 2001



State Law requires Comprehensive Solid Waste Management Plan

- Also required by inter-local agreements
- County and partner cities collaborate on Plan development
- State law prescribes Plan contents



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The 2018 Plan includes Policies and Recommendations for Major Elements

- Policies establish planning framework to direct county, cities, and private sector priorities
- These policies drive recommendations for each major element prioritize future activities

Landfill Management and Solid Waste Disposal

Policies

- DS-1 Operate and maintain the Cedar Hills Regional Landfill to meet or exceed the highest federal, state, and local standards for protection of public health and the environment.
- DS-2 Maximize the capacity and lifespan of the Cedar Hills Regional Landfill, subject to environmental constraints, relative costs to operate, and stakeholder interests.
- DS-3 Monitor and maintain closed landfills to meet or exceed the highest federal, state, and local standards for protection of public health and the environment.

Summary of Recommendations

Responsibility		Action	Detailed Discussion
1	County	Track and evaluate options for disposal once the Cedar Hills Regional Landfill reaches capacity and closes. Consider waste export to an out-of-county landfill, a waste-to-energy facility(ies), and other disposal or conversion technologies, to handle all or a portion of the county's waste.	Page 6-2, 6-10
2	County	Evaluate partial early waste diversion considering effects on customer costs versus benefits.	Page 6-2, 6-10



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Six Major Planning Elements



Solid
Waste
Planning



Waste
Reduction
&
Recycling



Collection



Transfer



Disposal



Solid
Waste
System
Finance



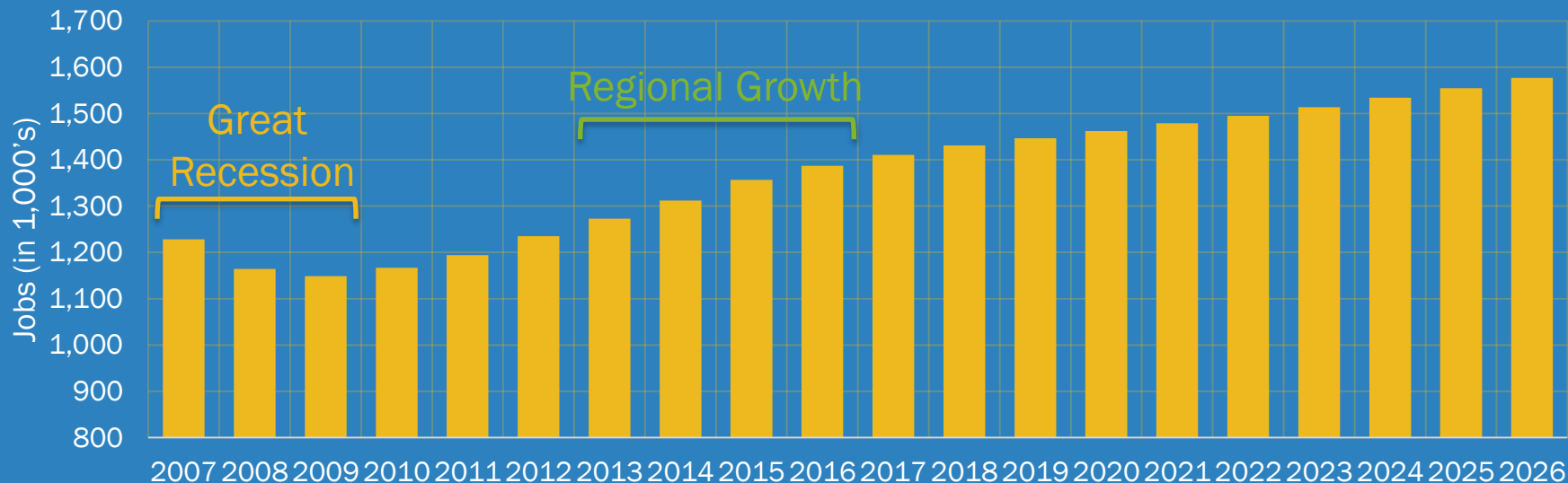
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Solid Waste Planning



King County Employment, 2007 to 2026



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Waste Prevention and Recycling



Current framework focuses on:

- Setting disposal and recycling rate targets
- Advancing recycling and material recovery programs

Looking forward:

- Achieving zero waste of resources and 70% recycling rate by 2020
- Targets to reduce greenhouse gas emissions

Collection



Current framework focuses on:

- Establishing urban collection service levels
- Encouraging curbside collection as the preferred method of solid waste management

Looking Forward

- Advancing collection services that help to achieve 70% recycling goal (e.g., bi-weekly garbage collection)

Transfer



Current framework focuses on:

- Setting uniform and efficient services at all stations
- Preparing stations for eventual waste export
- Establishing criteria to prioritize transfer station replacement

Looking Forward

- Demand management
- Resource recovery initiatives
- Facility replacements



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Disposal



Current framework focuses on:

- Operating active landfill to meet or exceed standards
- Maintaining closed landfills & exploring beneficial reuse options
- Evaluating waste export and other disposal options

Looking Forward

- Anaerobic digestion & alternative disposal technologies
- Expand capacity at Cedar Hills

Solid Waste System Finance



Current framework focuses on:

- Keeping fees as low as possible while maintaining and enhancing service levels
- Charging the same weight-based fee at transfer stations

Looking Forward

- Restructuring rate in response to increasing recycling
- Latecomers to ILA

Advisory Committee Meetings

Meeting Dates	Topic
Sept. 9 & 16	Introduction to Updating the Plan
Oct. 14 & 21	Guiding Principles and Major Policy Challenges
Nov. 18	Summary of October discussion
<i>First draft of the Plan provided to advisory group members by January 31, 2017</i>	
Feb. 10 & 17, 2017	Review draft policies and recommendations for Transfer/Transport chapters
March 10 & 17, 2017	Review draft policies and recommendations for Disposal chapter
April 14 & 21, 2017	Review draft policies and recommendations for Recycling/Collection chapters
May 12 & 19 2017	Review draft policies and recommendations for Financial chapter
<i>The Plan is released for public review and comments by June 2017</i>	

Comp Plan Adoption Timeline

Environmental review:
Dec 2016 – May 2017

RPC & County Council
adoption process:
March–June 2018

Plan content update:
Oct 2016–Jan 2017

Public comment on
draft: June 2017

City adoption process:
July–Oct 2018

Meet with MSWMAC & SWAC:
Oct 2016–May 2017

State review final draft and
cost assessment:
Oct 2017–Jan 2018

State approval: Nov 2018





Comprehensive Solid Waste Management Plan

Metropolitan Solid Waste Management Advisory Committee
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A Comprehensive Solid Waste Management Plan is Required

RCW 70.95.080

- Each county within the state, in cooperation with the various cities located within such county, shall prepare a coordinated, comprehensive solid waste management plan
- The purpose is to plan for solid waste and materials reduction, collection, and handling and management services



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Cities Are Included in the County Plan

- RCW 70.95.080 allows cities to authorize the county to prepare a plan for the city's solid waste management for inclusion in the comprehensive county plan
- Through the interlocal agreements, the cities have authorized the county to prepare a Plan
- Planning for Bellevue, Clyde Hill, Hunts Point, Medina, and Yarrow Point through June 2028

RCW 70.95.090: Required Plan Content

- An inventory and description of solid waste collection needs and operations within each jurisdiction
- A comprehensive waste reduction and recycling element that provides programs that reduce the amount of waste generated, provide incentives and mechanisms for source separation, and establish recycling opportunities for source separated waste
- Recycling strategies, including a description of markets, a review of waste generation trends, a description of waste composition, a discussion and description of existing programs and any additional programs, and an implementation schedule for the designation of specific materials to be collected for recycling, and for the provision of recycling collection services



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RCW 70.95.090: Required Plan Content

- A detailed inventory and description of existing solid waste facilities including an inventory of any deficiencies in meeting current solid waste handling needs
- Estimated long-range needs for solid waste facilities projected twenty years into the future
- A program for development of solid waste handling facilities, including a six-year construction and capital acquisition program
- A plan for financing capital costs and operational expenditures
- A program for surveillance and control
- An assessment of the plan's impact on the costs of solid waste collection prepared in conformance with guidelines established by the utilities and transportation commission



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